



Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
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EFS ID: 55314  
Application ID: 10712686  
Title of Invention: Methods and Systems of  
Producing Monoolefins by the  
Extraction-Hydrogenation of  
Highly Unsaturated  
Hydrocarbons  
First Named Inventor: Tin-Tack Cheung  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2003-11-13  
Effective Receipt Date: 2004-02-11  
Submission Type: Information Disclosure  
Statement  
Filing Type:  
Confirmation number: 9092  
Attorney Docket Number: 4081-04300



Total Fees Authorized:


Digital Certificate Holder: cn=Rodney B. Carroll,ou=Registered Attorneys,ou=Patent and Trademark  
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Certificate Message Digest: dc707afd9b1ab6fb9cfd45a978181592cfd910a

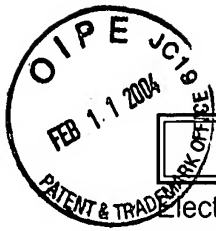


# TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	Methods and Systems of Producing Monoolefins by the Extraction-Hydrogenation of Highly Unsaturated Hydrocarbons							
<p>Application Number: 10/712686 </p> <p>Date: 2003-11-13</p> <p>First Named Applicant: Tin-Tack Peter Cheung</p> <p>Confirmation Number: 9092</p> <p>Attorney Docket Number: 4081-04300</p>								
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Submitted by:	Elec. Sign.	Sign. Capacity						
Rodney B. Carroll Registered Number: 39,624	Rodney B. Carroll	Attorney						
Documents being submitted	Files							
us-ids	4081-04300-usidst.xml							
	us-ids.dtd							
	us-ids.xsl							
Comments								



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

### Title of Invention

Methods and Systems of Producing Monoolefins by the  
Extraction-Hydrogenation of Highly Unsaturated  
Hydrocarbons

Application Number: 10/712686



Confirmation Number: 9092

First Named Applicant: Tin-Tack Cheung

Attorney Docket Number: 4081-04300

Art Unit: 1764

Search string: ( 3477962 or 3651167 or 3666412 or 3755488  
or 3948808 or 3957688 or 4128595 or 4191846  
or 4227025 or 4484015 or 4906800 or 5413984  
or 5475173 or 5489565 or 6127588 or  
6635600 ).pn.

### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3477962	1969-11-11	Kardys		252	412
	2	3651167	1972-03-21	de Rosset		260	681.5
	3	3666412	1972-05-30	Sowards		23	162
	4	3755488	1973-08-28	Johnson et al.		260	677A
	5	3948808	1976-04-06	Box Jr. et al.		252	462
	6	3957688	1976-05-18	Farha Jr. et al.		252	455 R
	7	4128595	1978-12-05	Montgomery		260	677 H
	8	4191846	1980-03-04	Farha Jr. et al.		585	440
	9	4227025	1980-10-07	Montgomery		585	259
	10	4484015	1984-11-20	Johnson et al.		585	262
	11	4906800	1990-03-06	Henry et al.		585	260
	12	5413984	1995-05-09	Marecot et al.		502	333
	13	5475173	1995-12-12	Cheung et al.		585	259
	14	5489565	1996-02-06	Cheung et al.		502	325

	15	6127588	2000-10-03	Kimble et al.	585	260
	16	6635600	2003-10-21	Kimble et al.	502	330

Signature

Examiner Name	Date